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Porous film or sheet mfr. for disposable nappy, etc. - by inflation moulding compsn. contg. polyolefin resin, filler and plasticiser.

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Patent Family

Patent Number	Kind	Date	Application Number	Kind	Date	Week	Type
JP 7216120	A	19950815	JP 9410397	A	19940201	199541	B
JP 3325377	B2	20020917	JP 9410397	A	19940201	200268	

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Patent Details

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JP 7216120	A		8	C08J-009/00	
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Abstract:

JP 7216120 A

A porous film or sheet is obtd. by inflation moulding a compsn. consisting of 100 pts.wt. of polyolefin resin (A) of density less than 0.930 g/cm² and melt index less than 2 g/10 mins., 100-400 pts.wt. of filler (B), 0.1-100 pts.wt. of plasticiser (C) of formula A-(R)_n (I) (A = tetravalent or higher carboxylic acid radical or alcohol radical; R = aliphatic carboxylic acid radical or aliphatic alcohol radical; and n = 4 or more) and 0.0001-0.1 pt.wt. of radical generating agent (D), then stretching resulting film or sheet uniaxially in the receiving direction. Also claimed is a method of making the porous film or sheet.

Pref. (A) is low density polyethylene, ethylene-vinyl acetate copolymer, polypropylene or ethylene-propylene copolymer. (B) is e.g. calcium carbonate, talc, silica or cellulose type powder such as wooden powder. (C) is ester cpd. of formula (I) made from pyromellitic acid, dipentaerythritol, acetic acid, methyl alcohol, etc.

USE - The porous film is useful for e.g. disposable diaper, raincoat or disposable sheet.

ADVANTAGE - The porous film has good tear strength and tensile breaking point strength. It exhibits little unevenness by stretching.

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